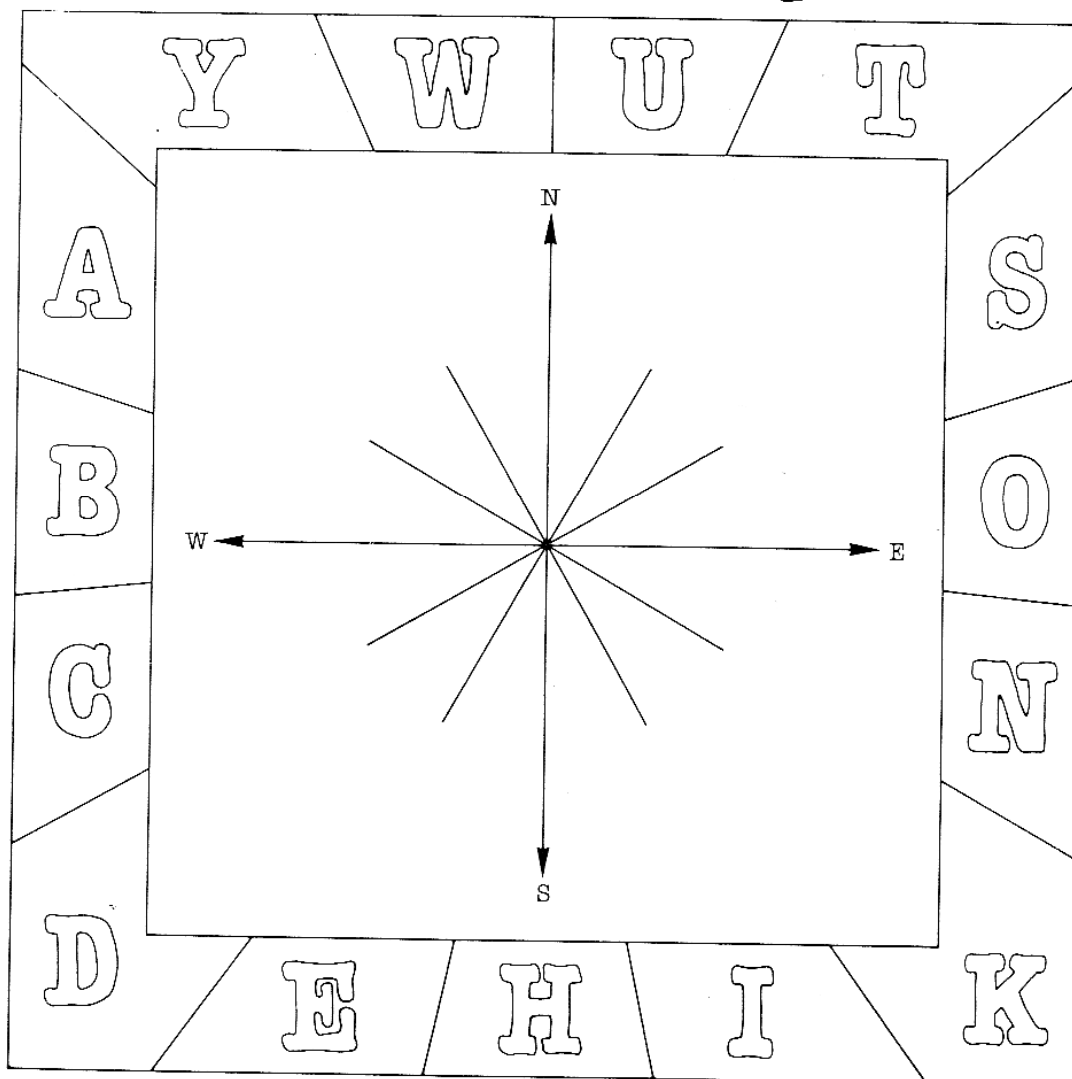
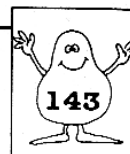
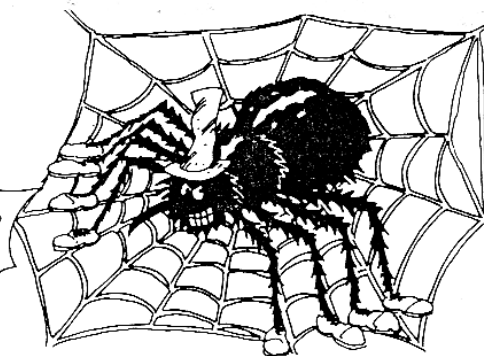


Bearings practice

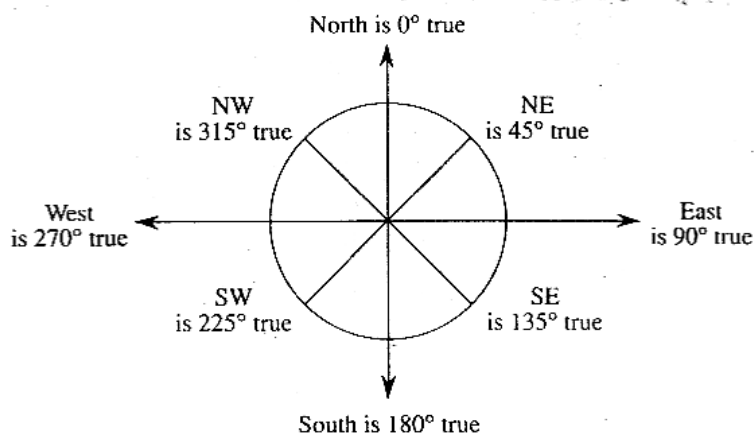
Why do spiders spin webs?

FROM THE
CENTRE OF THE COMPASS
LOCATE THE LETTERS IN
THE DIRECTIONS GIVEN
IN THE ANSWER BLOCK.



N84°W	S20°W	S71°W	N50°W	N15°E	N66°E	S13°W	N33°E	S3°E	S19°W	N35°W
S47°W	N87°E	S77°E	N41°E	S50°E	S68°E	S88°E	N12°W			
S6°W	N75°E	N21°W	N32°E	N74°E	S55°E	S70°E	S24°E	N41°E		

True bearings can be related to compass bearings as follows:

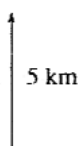


Exercise 9C Bearings

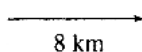
Skills practice

Use true bearings to describe the following paths.

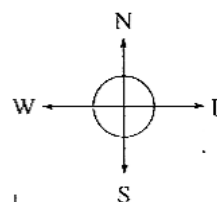
1



2

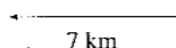


3

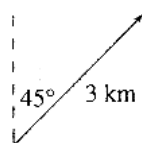


8 km

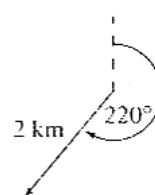
4



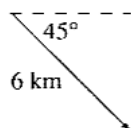
5



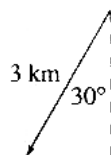
6



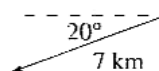
7



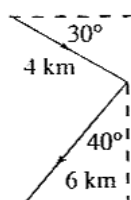
8



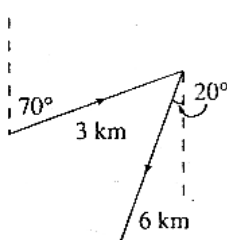
9



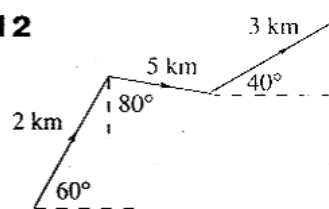
10



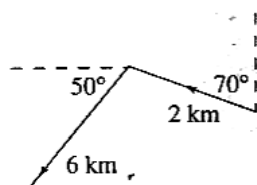
11



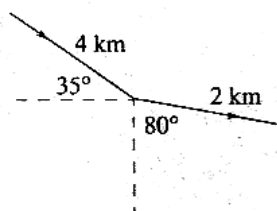
12



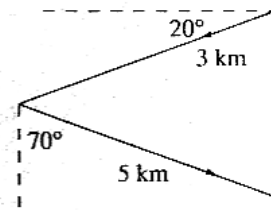
13



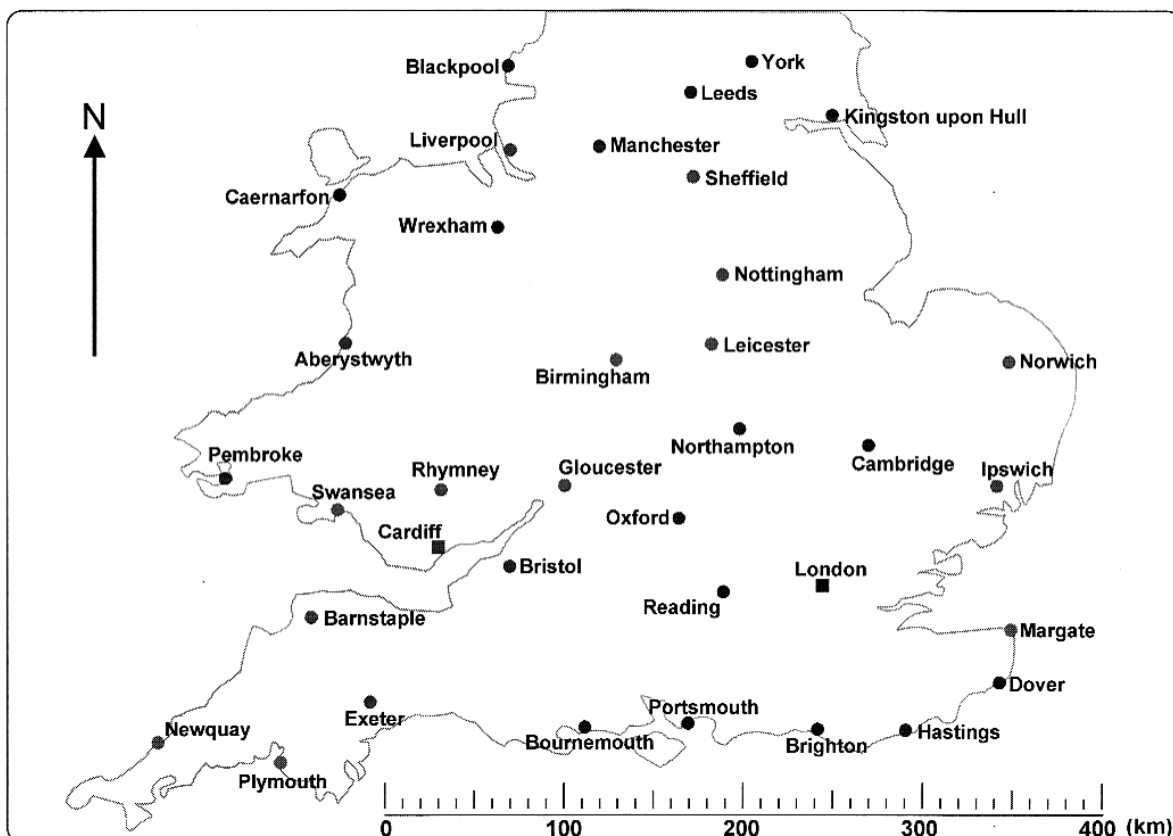
14



15



Bearings: maps and scale drawings



Problems involving scale:

- 17 'As the crow flies' how far is Swansea from Sheffield?
- 18 A light airplane has enough fuel to travel 200 km when it leaves Cardiff airport. Will it get to London?
- 19 You are on Rhymney mountain with a microlight that has a range of 100 km. List all the towns marked on the map above that you could visit.
- 20 If you leave London on a bearing of 343° and travel for 235 km which city will you be in?
- 21 A ship is 85 km from Barnstaple on a bearing of 068° when it broadcasts a distress signal. Should you call the coast guard at Swansea or Cardiff?
- 22 You have been travelling on a bearing of 063° for 120 km when you finally reach Margate. Which town did you start off from?
- 23 You leave London on a bearing of 018° and travel for 82 km. You then travel on a bearing of 249° for 112 km. Which places have you visited?
- 24 Construct a table of bearings and distances that if followed would guide a ship from Blackpool to Swansea.

Now visit eChalk and use the "Bearings: maps and scale drawings" application to check your answers!